

**Applicant:** Stephen E. Terry  
**Application No.:** 10/630,892

**REMARKS/ARGUMENTS**

After the foregoing Amendment, claims 1-3 and 12-14 are currently pending in this application. Claims 8-11 and 15-18 have been canceled without prejudice. Claims 1-3 and 12-14 have been amended to more distinctly claim the subject matter which the Applicant regards as the invention. Furthermore, the specification has been amended to correct a minor typographical error and to provide a title that more appropriately describes the claimed invention. The Applicant submits that no new matter has been added by the amendment herein.

**Telephonic Interview with the Examiner**

The Examiner is thanked for reviewing and discussing Figures 1 and 2 of the application with the Applicant's representative during a telephonic interview conducted on July 20, 2005. During the interview, the Applicant's representative pointed out that the Applicant's admitted prior art shown in Figure 1 fails to teach or suggest correlating (i.e., synchronizing) user equipment (UE) specific paging occasions 105 with user group paging occasions 110. The Applicant's representative also pointed out that Figure 2 illustrates how the claimed invention correlates (i.e., synchronizes) UE specific paging occasions 105 with user group paging occasions 110.

The Examiner agreed to consider these differences when reviewing claim amendments to be submitted by the Applicant in response to the Office Action dated June 30, 2005.

**Claim Objections**

Claims 2, 3, 13 and 14 are objected to because of various informalities. Claims 2, 3, 13 and 14 have been amended to correct the informalities. Based on the above, the withdrawal of the objection to claims 2, 3, 13 and 14 is respectfully requested.

**Claim Rejections - 35 USC § 103(a)**

Claims 1-3 and 12-14 are rejected under 35 U.S.C 103(a) as being unpatentable over the Applicant's Admitted Prior Art (hereinafter referred to as "AAPA") in view of U.S. Patent No. 6,556,820 (Le et al., hereinafter referred to as "Le").

The present invention is a wireless communication system and method of paging a plurality of wireless transmit/receive unit (WTRU) (i.e., UE) users belonging to a paging group. A point-to-multipoint (PtM) service is activated for the WTRUs within a PtM service user group. A new temporary user specific identity is assigned to each of the WTRUs in response to activating the PtM service. The temporary user specific identities are used to synchronize, on a common channel, WTRU specific paging occasions with WTRU user group paging occasions. A determination is made as to whether a paging occasion is associated with the PtM service or a point-to-point (PtP) service. If the paging occasion is determined to be associated with a PtM service, and a predetermined maximum number of users associated with the paging occasion is exceeded, a plurality of subgroup paging identities are generated, wherein each paging subgroup identity is associated with a particular paging subgroup within the PtM service user group, a particular paging channel and a particular paging occasion.

A physical paging channel may be selected from a list of paging channels by determining a selected paging channel number based on a temporary identity mod K, where K is the number of physical paging channels that exist within a cell.

A unique radio frame number may be used to identify a particular paging occasion on the selected physical paging channel. The unique radio frame number may be determined as a function of a temporary identity div K and a discontinuous reception (DRX) cycle.

Claims 1 and 12 have been amended to clarify that the temporary user specific identities are used to synchronize, on a common channel, WTRU specific paging occasions with WTRU user group paging occasions. Furthermore, claims 1 and 12 have been amended to recite that if the paging occasion is determined to be associated with a PtM service, and a predetermined maximum number of users associated with the paging occasion is exceeded, a plurality of subgroup paging identities is generated such that each subgroup paging identity is associated with a particular paging subgroup within the PtM service user group, a particular paging channel and a particular paging occasion.

The Applicant submits that the prior art of record fails to teach or suggest all of the features recited in amended claims 1 and 12. The Examiner is respectfully directed to review the summary of the telephonic interview of July 20, 2005 provided above, during which it was established that the Applicant's admitted prior art illustrated in Figure 1 fails to teach or suggest synchronizing, on a common channel, WTRU (i.e., user equipment (UE)) specific paging occasions with WTRU user group paging occasions.

Furthermore, claims 2, 3, 13 and 14 are dependent upon claims 1 and 12, respectively, and are also believed to be patentable over the prior art of record for the reasons presented above.

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Based on the arguments presented above, the withdrawal of the rejection of claims 1-3 and 12-14 under 35 U.S.C 103(a) is respectfully requested.

**Conclusion**

If the Examiner believes that any additional minor formal matters need to be addressed in order to place this application in condition for allowance, or that a telephone interview will help to materially advance the prosecution of this application, the Examiner is invited to contact the undersigned by telephone at the Examiner's convenience.

In view of the foregoing amendment and remarks, the Applicant respectfully submits that the present application, including claims 1-3 and 12-14, is in condition for allowance and a notice to that effect is respectfully requested.

Respectfully submitted,

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